

**Flood Control Project Maintenance  
Levee Inspections**

**Fall 2010 Levee Maintenance Deficiency Summary Report**

**Overall LMA & Unit Ratings, including USACE Erosion Survey**

***Sacramento River Basin***

<b>LD0003</b>	Overall LMA Rating	Total LMA Miles				
<b>Levee District No. 0003 (Glenn County)</b>	<b>U</b>	<b>12.24</b>				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
Trim / Thin Trees	0.17		0.17	1.39%		
Encroachments	0.16		0.16	1.31%		
Animal Control	1.79		1.79	14.62%		
Slope Stability	0.04		0.04	0.33%		
Erosion / Bank Caving	0.01		0.01	0.08%		
USACE Erosion Survey		0.20	0.80	6.54%		
<i>LMA Totals:</i>	2.17	0.20	2.97	24.26%	0.00	0.00

**Flood Control Project Maintenance  
Levee Inspections**  
**LMA District Cover Sheet**  
**Fall 2010 Levee Inspection Results**

**Levee District No. 0003 (Glenn County)**

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	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			U	

\*\* Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

\*  
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments


**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2010 Levee Inspection Results**

**Levee District No. 0003 (Glenn County)**

Waterway			Bank	Unit Miles
Unit No. 01 Glenn County Sacramento River			Left	12.24
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>U</b>	
Date of Inspection	3/22/2010		9/21/2010	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By	Tod Southam		Tod Southam	

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports  
3310 El Camino Avenue, Room LL-30  
Sacramento, CA 95821-9000

**X**

Signature of LMA Representative

Date

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2010**

**Levee District No. 0003 (Glenn County)**

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Glenn County Sacramento River						Left	12.24	11/16/2010 11/16/2010	Bob Duffey

  

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.23	0.29	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	39.387018 ° -121.990742 °	39.387682 ° -121.991255 °	10 Y
2	0.29	0.40	Earthen Levee	Animal Control	WS	M	Exterminate rodents and backfill and compact or grout burrows.	39.387655 ° -121.991257 °	39.388807 ° -121.992730 °	11 Y
3	0.56	0.63	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	39.389390 ° -121.995539 °	39.389219 ° -121.996854 °	23
4	0.75	0.75	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	39.388323 ° -121.998727 °	39.388323 ° -121.998727 °	3 Y
5	1.22	1.28	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	39.394070 ° -122.001016 °	39.394918 ° -122.001114 °	24
6	1.41	1.61	Supplemental	USACE Erosion Survey	WS	U	Inspector Comments: 2009: 15 ft berm, 1:1 slope, tree hazards and slumping, clays and silts, 10.07 ft/s [2009 SiteID:SAC_163-0_L]	39.399561 ° -122.003506 °	39.396367 ° -122.002550 °	8 Y
7	1.52	1.57	Earthen Levee	Animal Control	LS	C	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	39.398095 ° -122.002058 °	39.398773 ° -122.002383 °	12
8	1.80	2.45	Earthen Levee	Animal Control	WS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	39.402115 ° -122.002047 °	39.406538 ° -121.994995 °	13
9	1.85	2.44	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	39.402738 ° -122.001907 °	39.406557 ° -121.995052 °	15
10	3.24	3.24	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	39.415608 ° -121.992985 °	39.415613 ° -121.992983 °	17
11	3.44	3.44	Earthen Levee	Slope Stability	LS	M	Repair the levee slope damaged by vehicle traffic and prevent access where possible.	39.418267 ° -121.992472 °	39.418267 ° -121.992472 °	9 Y
12	3.50	3.50	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	39.419232 ° -121.992345 °	39.419232 ° -121.992345 °	16
13	3.68	3.68	Earthen Levee	Animal Control	LS	C	Exterminate rodents and backfill and compact or grout burrows.	39.421735 ° -121.992097 °	39.421735 ° -121.992097 °	1
14	3.81	3.81	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	39.423490 ° -121.991730 °	39.423490 ° -121.991730 °	18
15	3.82	3.82	Earthen Levee	Slope Stability	LS	M	Repair the levee slope damaged by vehicle traffic and prevent access where possible.	39.423747 ° -121.991667 °	39.423747 ° -121.991667 °	19 Y
16	3.84	3.84	Earthen Levee	Animal Control	WS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	39.423975 ° -121.991490 °	39.423975 ° -121.991490 °	20
17	5.17	5.30	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	39.441448 ° -121.990597 °	39.443140 ° -121.990965 °	2 Y
18	5.19	5.34	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	39.441598 ° -121.990677 °	39.443793 ° -121.991297 °	21

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
PO : Partially Obstructing  
CO : Completely Obstructing  
N : Not Inspected/Rated  
C : Corrected  
W : Watch/Monitor

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2010**

**Levee District No. 0003 (Glenn County)**

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Glenn County Sacramento River							Left	12.24	11/16/2010 11/16/2010	Bob Duffey
LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
19	5.62	5.62	Earthen Levee	Encroachments	LS	M	Prunings	39.447767 ° -121.991575 °	39.447767 ° -121.991575 °	22
20	5.87	5.99	Earthen Levee	Encroachments	LS	M	Equipment	39.451293 ° -121.992370 °	39.452872 ° -121.992897 °	25
21	6.69	6.69	Earthen Levee	Slope Stability	LS	M	Repair the levee slope damaged by vehicle traffic and prevent access where possible.	39.462505 ° -121.992698 °	39.462505 ° -121.992698 °	34
22	6.69	6.69	Earthen Levee	Encroachments	WS	M	Garbage	39.462568 ° -121.992670 °	39.462568 ° -121.992670 °	33
23	6.72	6.72	Earthen Levee	Encroachments	WS	M	Abandoned vehicles	39.462985 ° -121.992693 °	39.462985 ° -121.992693 °	36
24	6.88	6.88	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	39.465013 ° -121.991455 °	39.465013 ° -121.991455 °	35 Y
25	7.18	7.18	Earthen Levee	Encroachments	LS	M	Prunings	39.469295 ° -121.991248 °	39.469295 ° -121.991248 °	26
26	7.34	7.34	Earthen Levee	Slope Stability	LS	M	Repair the levee slope damaged by vehicle traffic and prevent access where possible.	39.471658 ° -121.991245 °	39.471658 ° -121.991245 °	14 Y
27	9.34	9.39	Earthen Levee	Encroachments	LS	W	Pipe	39.497837 ° -121.987317 °	39.498533 ° -121.986982 °	27
28	9.40	9.44	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	39.498600 ° -121.986847 °	39.499155 ° -121.986672 °	28
29	9.88	9.88	Earthen Levee	Erosion / Bank Caving	WS	M	Note and monitor erosion site.	39.505045 ° -121.984327 °	39.505045 ° -121.984327 °	40 Y
30	10.36	10.47	Earthen Levee	Trim / Thin Trees	WS	N	Tree stumps.	39.511788 ° -121.983750 °	39.512395 ° -121.981975 °	5
31	10.73	10.73	Earthen Levee	Trim / Thin Trees	WS	N	Tree stumps.	39.515342 ° -121.979202 °	39.515342 ° -121.979202 °	29 Y
32	10.90	10.90	Earthen Levee	Trim / Thin Trees	WS	N	Tree stumps.	39.517715 ° -121.979155 °	39.517715 ° -121.979155 °	30 Y
33	11.05	11.05	Earthen Levee	Animal Control	WS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	39.519730 ° -121.978592 °	39.519730 ° -121.978592 °	32 Y
34	11.22	11.25	Earthen Levee	Trim / Thin Trees	LS	M	Thin trees to allow visibility of the ground and room to flood fight.	39.522058 ° -121.979133 °	39.522480 ° -121.979200 °	4 Y

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**Levee District No. 0003 (Glenn County)**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Glenn County Sacramento River	Left	12.24	11/16/2010 11/16/2010	Bob Duffey

Levee Mile Report Line	1
Start Levee Mile	0.23
End Levee Mile	0.29
Location	Land Side
Category	Earthen Levee
Item	Animal Control

View of squirrel holes along the slope.

rduffey\_f\_20101123\_316.jpg



Levee Mile Report Line	2
Start Levee Mile	0.29
End Levee Mile	0.40
Location	Water Side
Category	Earthen Levee
Item	Animal Control

View of squirrel holes along the slope.

rduffey\_f\_20101123\_315.jpg



Levee Mile Report Line	4
Start Levee Mile	0.75
End Levee Mile	0.75
Location	Land Side
Category	Earthen Levee
Item	Animal Control

View of squirrel holes along the slope.

rduffey\_f\_20101123\_314.jpg



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Levee Mile Report Line	6
Start Levee Mile	1.41
End Levee Mile	1.61
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

Typical view of the grasses on the Levee.

rduffey\_f\_20100921\_006.jpg



Levee Mile Report Line	6
Start Levee Mile	1.41
End Levee Mile	1.61
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

2009: 15 ft berm, 1:1 slope, tree hazards and slumping, clays and silts, 10.07 ft/s [2009 SiteID:SAC\_163-0\_L]

rduffey\_f\_20100921\_007.JPG



Levee Mile Report Line	11
Start Levee Mile	3.44
End Levee Mile	3.44
Location	Land Side
Category	Earthen Levee
Item	Slope Stability

View of the vehicle erosion on the landside slope of the levee.

rduffey\_f\_20101123\_313.jpg



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Unit No. 01 Glenn County Sacramento River	Left	12.24	11/16/2010 11/16/2010	Bob Duffey

Levee Mile Report Line	15
Start Levee Mile	3.82
End Levee Mile	3.82
Location	Land Side
Category	Earthen Levee
Item	Slope Stability

View of vehicle erosion on the slope.

rduffey\_f\_20101123\_312.jpg



Levee Mile Report Line	17
Start Levee Mile	5.17
End Levee Mile	5.30
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees

View of squirrel along the slope.

rduffey\_f\_20101123\_311.jpg



Levee Mile Report Line	24
Start Levee Mile	6.88
End Levee Mile	6.88
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees

View of the trees that are hanging over the landside slope of the levee.

rduffey\_f\_20101123\_310.jpg



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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Glenn County Sacramento River	Left	12.24	11/16/2010 11/16/2010	Bob Duffey

Levee Mile Report Line	26
Start Levee Mile	7.34
End Levee Mile	7.34
Location	Land Side
Category	Earthen Levee
Item	Slope Stability

Vehicle erosion along the slope.

rduffey\_f\_20101123\_309.jpg



Levee Mile Report Line	29
Start Levee Mile	9.88
End Levee Mile	9.88
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

Erosion 30 ft from the levee toe.

rduffey\_f\_20101123\_308.jpg



Levee Mile Report Line	31
Start Levee Mile	10.73
End Levee Mile	10.73
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

view of the stump along the toe.

rduffey\_f\_20101123\_307.jpg



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**Levee Inspection Report By Mile - Fall 2010**

**Levee District No. 0003 (Glenn County)**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Glenn County Sacramento River	Left	12.24	11/16/2010 11/16/2010	Bob Duffey

Levee Mile Report Line	32
Start Levee Mile	10.90
End Levee Mile	10.90
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

View of the stump along the slope.

rduffey\_f\_20101123\_306.jpg



Levee Mile Report Line	33
Start Levee Mile	11.05
End Levee Mile	11.05
Location	Water Side
Category	Earthen Levee
Item	Animal Control

View of the squirrel holes along the slope & also a tree stump.

rduffey\_f\_20101123\_304.jpg



Levee Mile Report Line	34
Start Levee Mile	11.22
End Levee Mile	11.25
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees

View of the trees along the slope.

rduffey\_f\_20101123\_303.jpg



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